

Postdoctoral position in Quantum Many-Body Systems at University of Tübingen

The group of **Mathematical Physics** at the Department of Mathematics of the University of Tübingen welcomes applications for a postdoctoral position (m/f/d, German salary level E13 TV-L, 100%, duration up to two years).

The DFG funded position is part of the newly created Collaborative Research Center “[Mathematics of Many Body Quantum Systems and Their Collective Phenomena](#)” between the University of Tübingen and the Munich universities TUM and LMU. The research project associated with the position lies at the interface between mathematical physics and quantum information theory and will focus on the study of properties of locality, stability, and correlations for quantum many-body systems. The project is led by [JProf. Angela Capel](#) and [Prof. Stefan Teufel](#) and the postdoctoral researcher is expected to contribute to the continuation of the research started in [arxiv:2310.09182](#).

The ideal candidate has

- a doctoral degree in mathematics, physics, or related fields,
- a strong background in mathematical physics and/or quantum information and the ability and willingness to work mathematically rigorously,
- a strong motivation to advance the project by proactively developing personal ideas,
- good command of the English language (knowledge of German is not required) and the ability to work both independently and in a team.

The starting date is as soon as possible, but not before **February 1, 2024**. Review of applications will begin on December 15, 2023. Applications received after this date will still be considered if the position is not yet filled.

Applications should be sent as a single PDF document via email to angela.capel@uni-tuebingen.de with “Postdoc Application B8” in the subject line. They should include:

- a CV including a list of publications,
- copies of degrees / university transcripts,
- a motivational statement (at most one page) explaining the applicant’s interest in the position as well as their relevant skills and experience, and
- names and email addresses of two professors that may provide letters of recommendation directly to the hiring committee.

The University of Tübingen is committed to equal opportunity, diversity, and inclusion. Female candidates, in particular, are explicitly invited to apply. Applications from equally qualified candidates with disabilities will be given preference. The employment is carried out by the central administration of the University of Tübingen.